053/989

Subject Bibliography

SB-053
APRIL 21, 1989

U.S. Government Printing Office Superintendent of Documents

ELECTRICITY AND ELECTRONICS

Annual Outlook for United States Electric Power, 1988, Projections Through 2000 *Provides electric power projections to the year 2000 for electricity supply, fuel consumption, and electricity prices, by region. Identifies the requirements for generating capacity and estimates the contributions from nonutility sources. Also contains information about actions that are being considered to introduce competition into the energy industry, an industry that has been historically a regulated natural monopoly.* 1988: 91 p.; ill.
E 3.50:988 — S/N 061-003-00579-9 — $4.50

Basic Electricity *Provides training in the fundamentals of electricity including circuitry, safety, and basic mathematics used for electrical schematics.* 1969: 490 p.; ill. 1986-repr.
D 208.11:El 2/3/969 — S/N 008-047-00069-3 — $11.00

Basic Electronics:

Volume 1 1971: 566 p.; ill. 1985-repr.
D 208.11:El 2/10/971/v.1 — S/N 008-047-00134-7 — $12.00

Volume 2 1979: 323 p.; ill. revised ed.
D 207.208/2:El 2/8/979/v.2 — S/N 008-047-00296-3 — $8.50

Commercializing High-Temperature Superconductivity *Presents United States policy options for managing research and for speeding commercialization.* 1988: 179 p.; ill.
Y 3.T 22/2:C 73/11 — S/N 052-003-01112-3 — $8.00

Competitive Assessment of the United States Electric Motor Industry *Identifies the major issues facing the electric motor industry.* 1988: 81 p.; ill. — S/N 003-009-00541-8 — $4.00

Cost and Quality of Fuels for Electric Utility Plants: 1987 *Contains information on the cost and quality of fossil fuel receipts to electric utility plants in the 50 States and the District of Columbia with a combined steam capacity of 50 megawatts or larger. Also includes a glossary and technical notes.* 1988: 231 p.
E 3.11/15-2:987 — S/N 061-003-00576-4 — $11.00

Design Guide For Rural Substations *Provides engineering personnel with information covering all aspects of transmission and distribution substations through 230 kV, including structural, electrical, and mechanical aspects of substation construction and sections on layout, major equipment and maintenance. Issued with perforations.* 1978: 739 p.; ill.
A 68.3:65-1/2 — S/N 001-010-00063-8 — $15.00

Electric Current Abroad, 1984 1984: 90 p.
C 62.2:El 2/984 — S/N 003-008-00193-9 — $2.50

Electric, Electronic Handbook *Issued with perforations.* 1982: 282 p.; looseleaf.
D 1.6/2:El 2/982 — S/N 008-050-00217-4 — $7.50

Electric Motor and Generator Repair *This reprint incorporates Change 1. Issued with perforations.* 1972: 235 p ; ill. 1985-repr.
D 101.11:5-764/2 — S/N 008-020-00456-1 — $7.50

Electric Power Annual, 1987 1988: 172 p.
E 3.11/17-10:987 — S/N 061-003-00583-7 — $8.50

Electric Power Monthly *Presents monthly summaries of electric utility statistics on net operation, net energy for load, peak load and net capability, fuel stocks, fuel deliveries, and prices. Subscription price: Domestic - $35.00 a year; Foreign - $43.75 a year. Single copy price: Domestic - $3.00 a copy; Foreign - $3.75 a copy. (EPM) (File Code 2S)*
E 3.11/17-8: — S/N 761-002-00000-7

Electric Power Quarterly *Provides comprehensive information on the electric utility industry's cost, quantity and quality of fossil fuel receipts, net generations, fuel consumption, and fuel stocks. Subscription price: Domestic - $25.00 a year; Foreign - $31.25 a year. Single copy price: Domestic - $17.00 a copy; Foreign - $21.25 a copy. (EPQ) (File Code 2R)*
E 3.11/17-11: — S/N 761-016-00000-8

NOTICE Prices shown were in effect on the above date. Government documents' prices are subject to change without prior notice. Therefore, prices in effect when your order is filled may differ from prices on this list. Since it is not feasible to change prices shown in Government documents in print, the price printed in a document may differ from the price in effect when your order is processed.

GP 3.22/2:

Electricity From Sunlight: The Emergence of Photovoltaics *Describes photovoltaic technology as a product of twentieth century physics with unlimited potential as an alternative energy source. Also contains a section on symbols and acronyms used within the publication.* 1985: 48 p.; ill.
E 1.2:P 56/3
S/N 061-000-00644-3 $2.25

Electromagnetic Fields Radiated From Electrostatic Discharges: Theory and Experiment *Studies the fields radiated by electrostatic discharges experimentally and theoretically. The electrostatic discharge spark is modeled theoretically as an electrically short, time dependent, linear dipole situated above an infinite ground plane. Describes an experiment in which sparks of varying voltages are generated by a commercially available simulator and then used to excite a number of targets.* 1988: 70 p.; ill.
C 13.46:1314
S/N 003-003-02864-9 $3.50

Energy Conservation Technical Information Guide, Volume 2: Utilities *Contains information on how electric utilities are improving efficiency and reducing the cost of generating and delivering electricity. Cites many sources of additional information.* 1988: 79 p.; ill.
S/N 061-000-00711-3 $4.00

Financial Statistics of Selected Electric Utilities:

1986 1988: 1082 p.; ill.
E 3.18/4:986
S/N 061-003-00562-4 $32.00

1987 1989: 1136 p.; ill.
S/N 061-003-00608-6 $32.00

Fundamentals of Electronics:

Volume 1a, Basic Electricity, Direct Current 1965: 147 p.; ill. 1980-repr.
D 208.11/2:El 2/9/v.1 a
S/N 008-047-00097-9 $6.00

Volume 2, Power Supplies and Amplifiers 1965: 144 p.; ill. 1983-repr.
D 208.11/2:El 2/9/v.2/965
S/N 008-047-00099-5 $6.50

Volume 6, Microwave Circuit Applications 1965: 123 p.; ill. 1976-repr.
D 208.11/2:El 2/9/v.6
S/N 008-047-00102-9 $6.00

Volume 8, Tables and Master Index 1965: 174 p.; ill. 1975-repr.
D 208.11/2:El 2/9/v.8/965
S/N 008-047-00104-5 $6.50

Harnessed Atom: Nuclear Energy and Electricity, Teacher's Edition 1986: 2 bks. (425 p.); looseleaf.
E 1.68:0073
S/N 061-000-00677-0 $18.00

Health Effects of Transmission Lines, Oversight Hearing Before the Committee on Interior and Insular Affairs, Subcommittee on Water and Power Resources, House, 100th Congress, 1st Session, October 6, 1987 *Testimony from scientists about recent studies into the health effects of electromagnetic fields and the need for further research.* 1988: 399 p.; ill.
Y 4.In 8/14:100-22
S/N 052-070-06461-7 $11.00

Homemade Electricity: An Introduction to Small-Scale Wind, Hydro, and Photovoltaic Systems *Provides information for prospective home electric power producers. Subjects covered include: preliminary considerations, regulations, wind production, micro-hydroelectric production, photovoltaic systems, and where to go for additional information.* 1984: 25 p.; ill.
E 1.89:15095-10
S/N 061-000-00630-3 $1.75

Illustrated Guide to Electrical Safety *This guide to the Electrical Safety Standards, 29 CFR, Part 1910, Subpart S, Electrical, prepared for both employers and employees, assumes a prior understanding of the basic principles of electricity. Includes the text from the Code of Federal Regulations with many drawings, photographs, and explanations set off from the text in boxes.* 1983: 184 p.; ill. revised ed.
L 35.8:Sa 1/2/983
S/N 029-015-00064-3 $5.50

Introduction to Microelectronics *Presents information on the fundamentals of microelectronics. Topics covered include the evolution of microelectronics, solid state devices, and integrated circuits; fabrication and packaging techniques and equivalent circuits; soldering techniques and test equipment; and the removal, repair, replacement and maintenance of miniature and microminiature electrical components.* 1984: 122 p.; ill.
D 207.208/2:El 2/2/module 14
S/N 008-047-00369-2 $4.75

Inventory of Power Plants in the United States, 1987 1988: 299 p.; ill.
E 3.29:987
S/N 061-003-00577-2 $14.00

List of Materials Acceptable for Use on Systems of REA Electrification Borrowers *July 1988. Subscription service consists of a basic manual and three quarterly supplements. In looseleaf form, punched for 3-ring binder. Contains listings of electrical materials acceptable for use on distribution transmission, and plant systems of REA borrowers. Subscription price: Domestic - $26.25; Foreign - $21.00. (LOMA) (File Code 1X)*
A 68.6/2:
S/N 901-002-00000-2

Merchant Marine Examination Questions:

12, Electricity 1988: 315 p.
TD 5.2:M 53/7
S/N 050-012-00249-5 $15.00

13, Steam Plants 1988: 402 p.
TD 5.2:M 53/8 — S/N 050-012-00251-7 — $18.00

Requirements for Soldered Electrical Connections *Describes the latest requirements for NASA programs involving solder connections for aircraft, spacecraft, launch vehicles, and mission essential support equipment.* 1976: 81 p.; ill. 1988-repr.
NAS 1.22/3:5300.4(3A-1) — S/N 033-000-00667-5 — $4.50

Statistical Report, Rural Electric Borrowers, 1987 *Contains financial and statistical information about the operations of REA electric borrowers individually and as a group. Also presents separate summary data on borrowers organized as cooperatives.* 1988: 250 p.
A 68.1/3:987 — S/N 001-010-00100-6 — $12.00

Superconductivity Technology for Electric Power 1989: 18 p.; ill. — S/N 061-000-00724-5 — $3.75

Typical Electric Bills *Publications consist chiefly of tables and statistics. Provides comprehensive coverage of the cost to consumers for representative amounts of electricity used per month for residential, commercial, and industrial service in all sections of the nation.*

January 1, 1987 1988: 316 p.; ill.
E 3.22:987 — S/N 061-003-00559-4 — $15.00

January 1, 1988 1988: 322 p.; ill. — S/N 061-003-00602-7 — $15.00

Uniform System of Accounts Prescribed for Electric Borrowers of the Rural Electrification Administration *Includes the Federal Power Commission's Uniform System of Accounts for Class A and B Public Utilities in effect April 1, 1973, revised to reflect the changes contained in FPC Transmittal Sheet Number 1 dated June 18, 1975, and FPC Transmittal Sheet Number 2 dated June 18, 1977. Issued with perforations.* 1978: 142 p.
A 68.3:181-1/5 — S/N 001-010-00060-3 — $5.50

United States Frequency Allocations: The Radio Spectrum *Shows through color codes the parts of the radio spectrum that are allocated to each type of radio service. Service areas include radio and television broadcasting, radionavigation, mobile, amateur, satellite, and others. Also indicates which parts of the spectrum are for use exclusively by the government, which parts are for use exclusively by the private sector and amateurs, and which parts are shared by the government and others.* 1987: Chart, 32x50 in. — S/N 003-000-00652-2 — $2.75

NOTICE

Supplies are limited and prices are subject to change without notice. You will be charged the price in effect at the time your order is processed. There is an additional 25% charge for orders to countries outside the United States and its possessions.

Order Form Mail To S053 Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402

Enclosed is $ ☐ check ☐ money order, or charge to my Deposit Account No ☐-☐

Order No

MasterCard and VISA accepted.

Credit Card Orders Only
Total charges $
Fill in the boxes below
Credit Card No
Expiration Date Month/Year

Customer's Telephone No.: Area Code Home Area Code Office

Charge orders may be telephoned to the GPO order desk at (202)783-3238 from 8:00 a.m. to 4:00 p.m. eastern time, Monday-Friday (except holidays).

Please send me the publications I have checked.

Company or Personal Name
Additional address/attention line
Street address
City State ZIP Code
(or Country)

PLEASE PRINT OR TYPE

For Office Use Only

Quantity Charges
Publications
Subscriptions
Special Shipping Charges
International Handling
Special Charges
OPNR
UPNS
Balance Due
Discount
Refund

982